—Standard Valves—

4300-A VALVE

TRIODE.

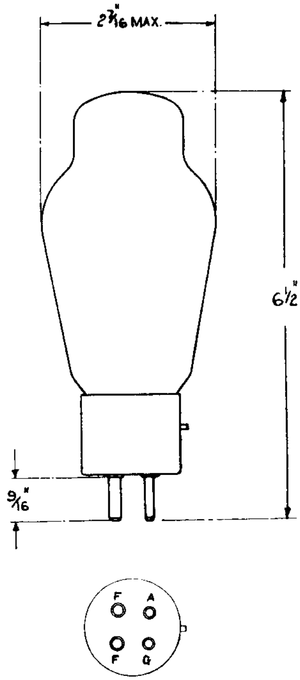
SPECIFICATION.

Cathode.
Oxide coated filament.
Constant voltage type.

Base.
American medium 4-pin bayonet.

Dimensions.

Maximum overall length	$6\frac{1}{2}''$ (16·5 cms.)
Maximum diameter	$2\frac{7}{16}''$ (5·9 cms.)
Net weight	0·15 lbs (70 gms.)



Constants.

Filament voltage	5·0 volts
Nominal filament current	1·2 amps.
*Amplification factor	3·9
*Impedance	720 ohms
*Mutual conductance	5·4 mA. per volt
Grid–anode capacity	15 $\mu\mu$F.
Grid–filament capacity	9 $\mu\mu$F.
Anode–filament capacity	4·3 $\mu\mu$F.

* at V_p = 300 volts, V_{g1} = —61·5 volts.

LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum anode voltage	450 volts
Maximum anode dissipation	40 watts
Maximum anode current of average valve for fixed grid bias	70 mA.
Maximum anode current for manually adjusted grid bias or self-biasing circuit	100 mA.

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TYPICAL OPERATING CONDITIONS.

Anode voltage	Grid bias	Anode current	Load resistance	Power output	Second harmonic
volts	volts	milliamperes	ohms	watts	db
200	—42	30	2,000	3·0	20
200	—39	40	2,500	2·6	26
200	—37	50	2,500	2·5	30
250	—55	30	2,000	4·9	18
250	—55	30	4,500	3·2	27
250	—52	40	3,000	4·0	26
250	—50	50	2,500	4·4	26
250	—48	60	2,000	4·7	26
250	—48	60	2,700	4·1	30
250	—45	80	1,500	5·0	26
300	—65	40	2,500	6·7	20
300	—63	50	2,000	7·2	21
300	—63	50	3,000	6·1	26
300	—61	60	2,400	6·6	26
300	—61	60	3,400	5·6	30
300	—58	80	1,700	7·5	26
350	—76	50	3,600	7·8	26
350	—76	50	5,000	6·2	30
350	—74	60	2,000	10·2	21
350	—74	60	3,000	8·3	26
350	—74	60	4,000	7·0	30
350	—71	80	2,200	9·6	26
400	—91	40	5,000	8·4	26
400	—89	50	3,000	11·5	21
400	—89	50	4,000	9·4	25
400	—87	60	3,500	10·5	26
400	—87	60	5,000	8·3	30
400	—84	80	2,500	12·5	25
*450	—104	40	6,000	9·5	26
*450	—102	50	5,000	10·7	27
*450	—102	50	6,500	9·0	30
*450	—100	60	4,000	12·5	26
*450	—100	60	5,500	10·1	30
*450	—97	80	2,000	17·8	21
*450	—97	80	3,000	14·6	26
*450	—97	80	4,500	11·5	31

* Maximum operating conditions.

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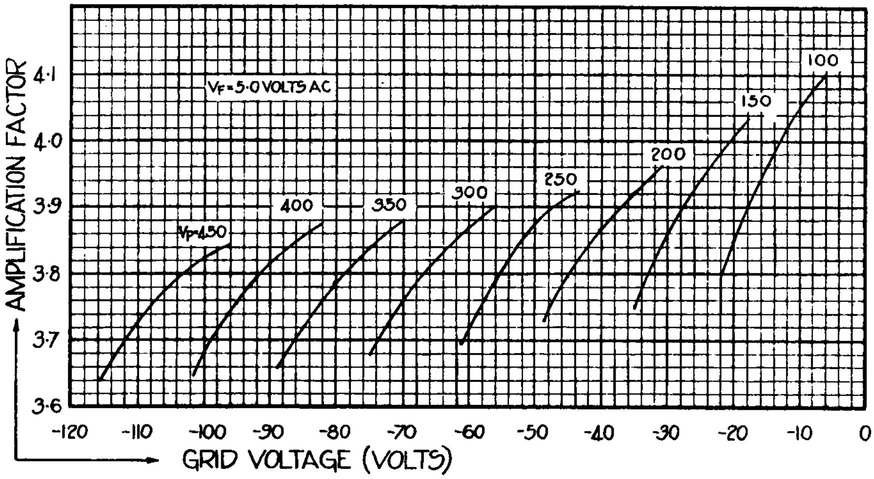
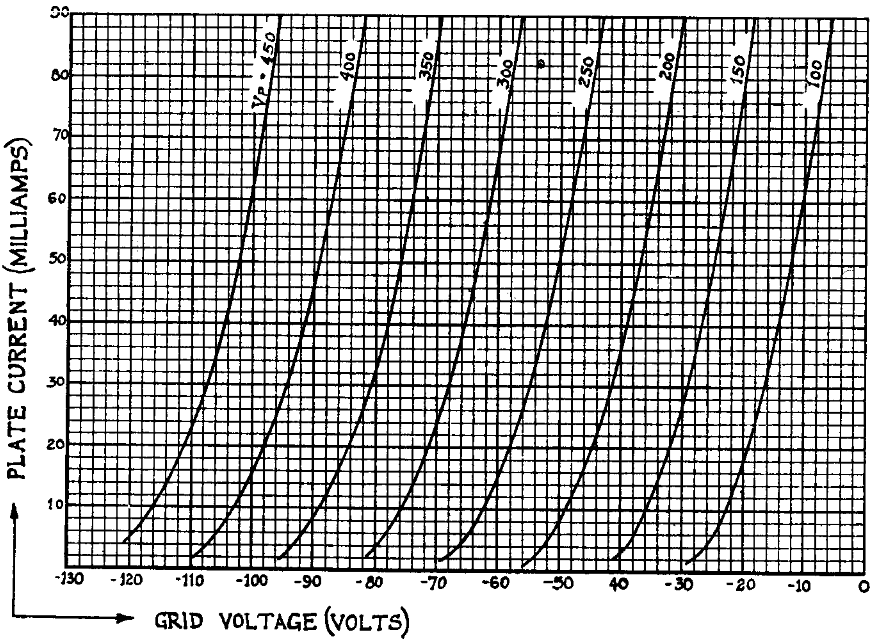
4300-A
Valve





V.4300-A.2
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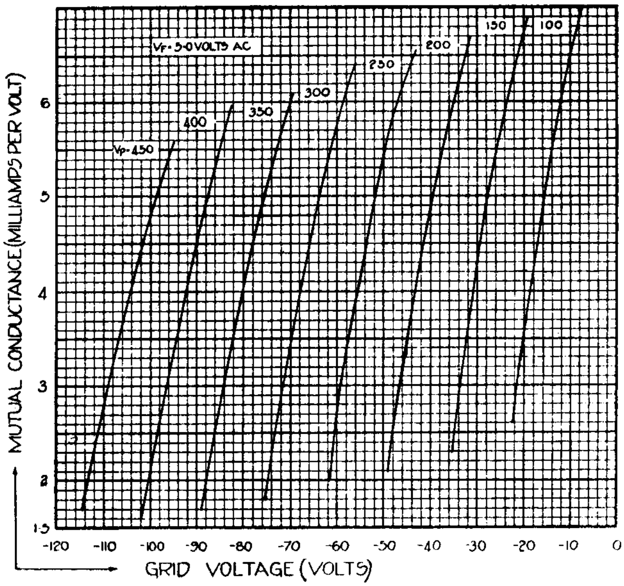

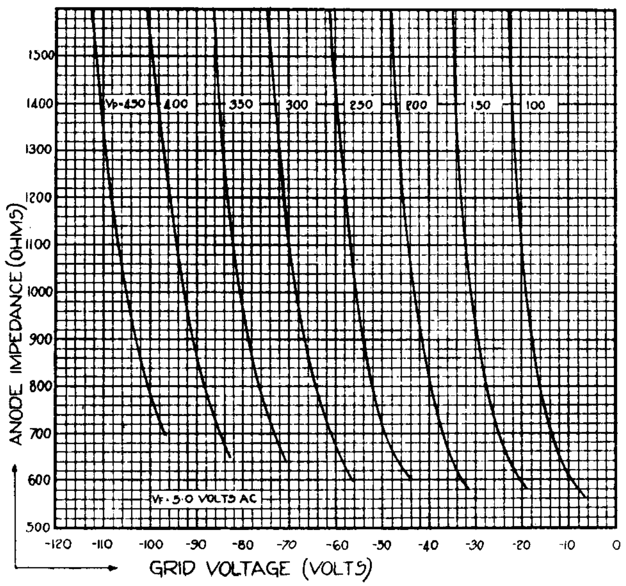

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